

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030121\
 Data File : VL036411.D
 Acq On : 1 Mar 2021 12:49
 Operator : SY/AP
 Sample : M1463-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 02 02:40:05 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1796791	10.00	ppbv	0.05
33) 1,4-Difluorobenzene	7.20	114	3827503	10.00	ppbv	0.05
55) Chlorobenzene-d5	12.11	117	3451137	10.00	ppbv	0.05

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2624226	9.24	ppbv	0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.40%

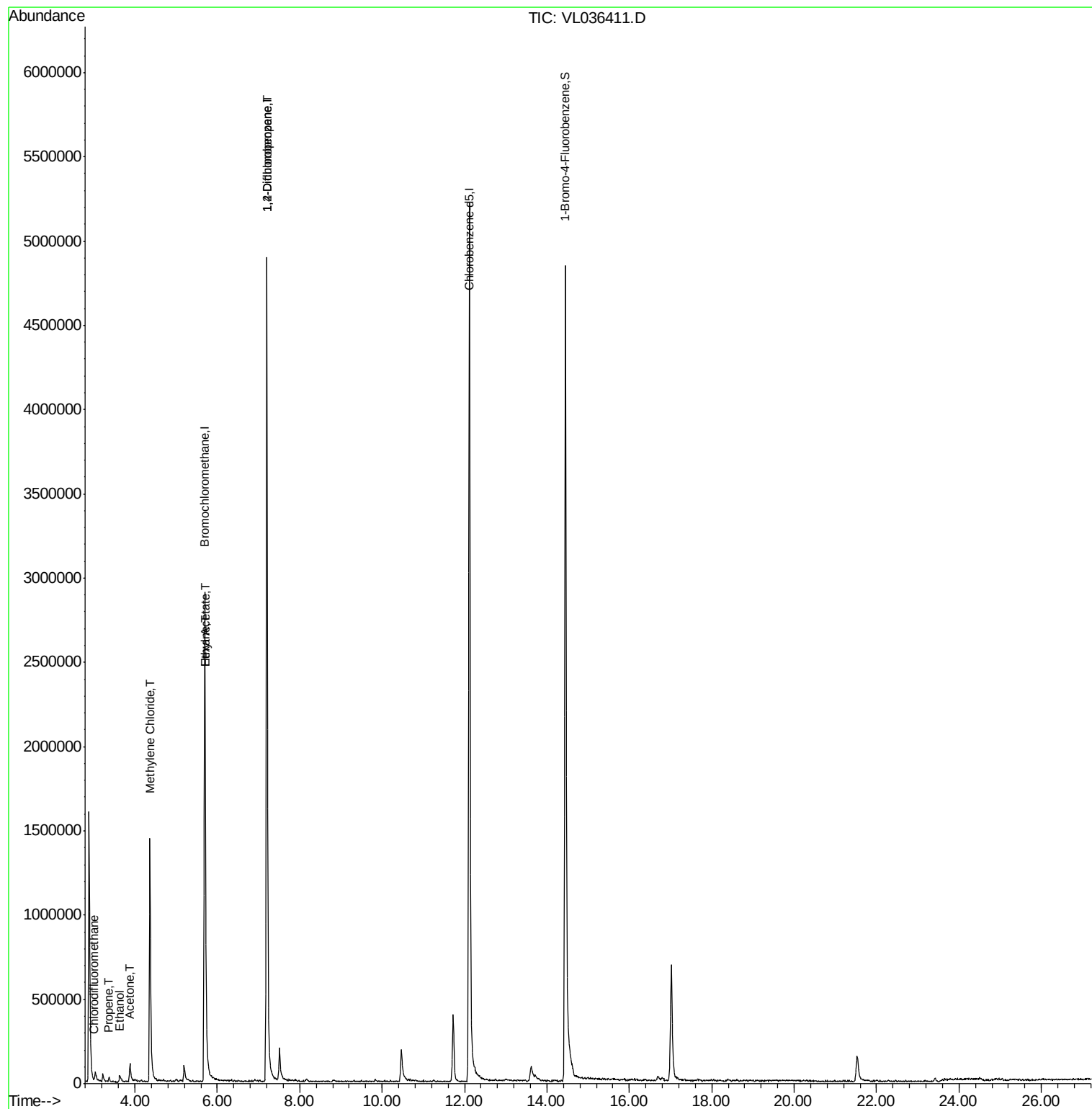
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.00	51	9946	0.045	ppbv #	88
9) Propene	3.37	41	4435	0.053	ppbv	85
13) Ethanol	3.63	45	22620	1.447	ppbv #	32
15) Acetone	3.87	43	55541	0.253	ppbv #	50
20) Methylene Chloride	4.37	84	599260	8.457	ppbv	96
25) Ethyl Acetate	5.71	43	104593	0.247	ppbv #	80
26) Hexane	5.71	57	134828	0.774	ppbv #	37
39) 1,2-Dichloropropane	7.20	63	1109022	8.397	ppbv #	22

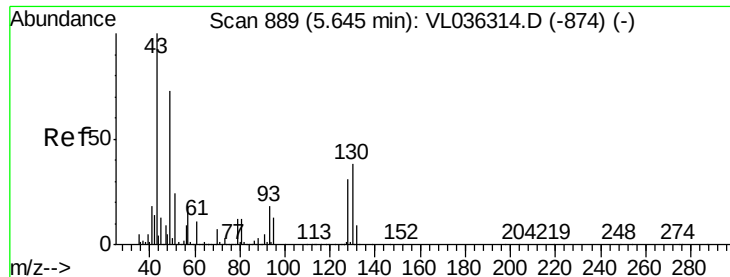
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 400ml/MSVOA L
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
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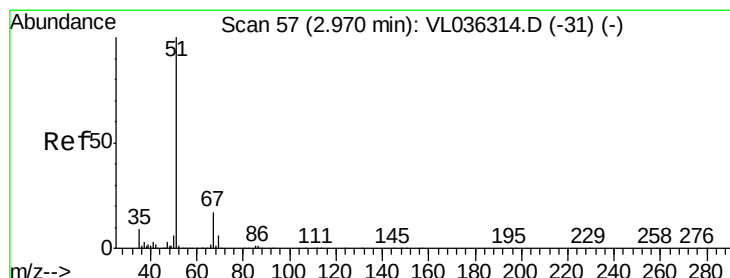
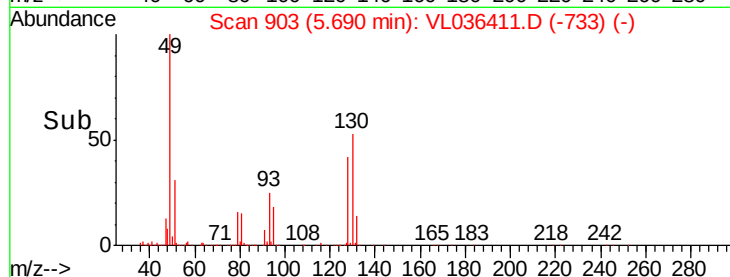
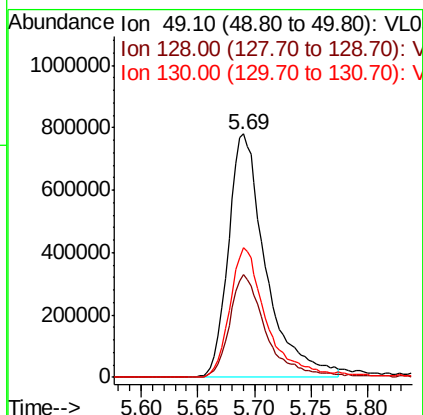
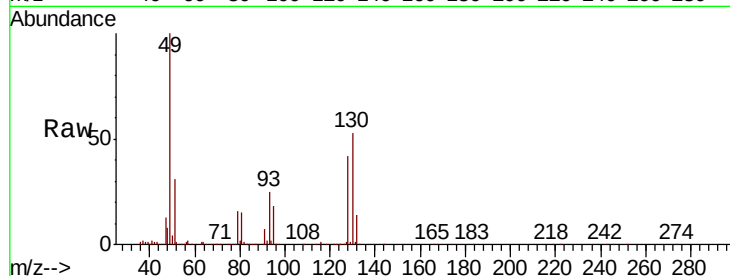




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.69 min Scan# 903
 Delta R.T. 0.05 min
 Lab File: VL036411.D
 Acq: 1 Mar 2021 12:49

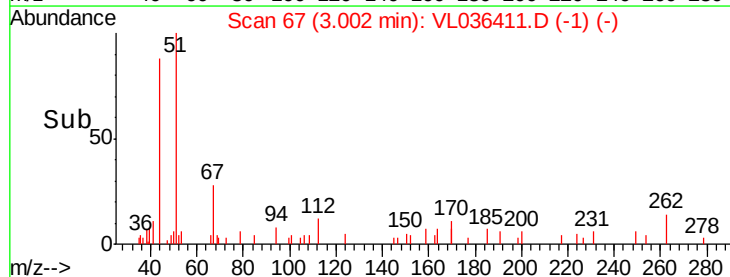
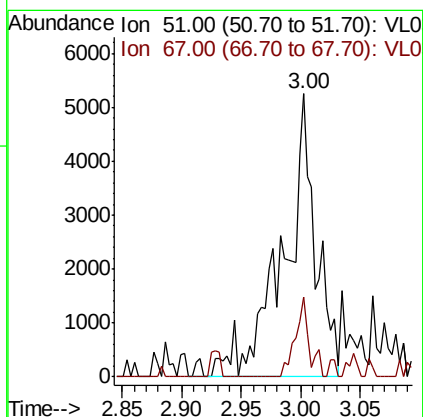
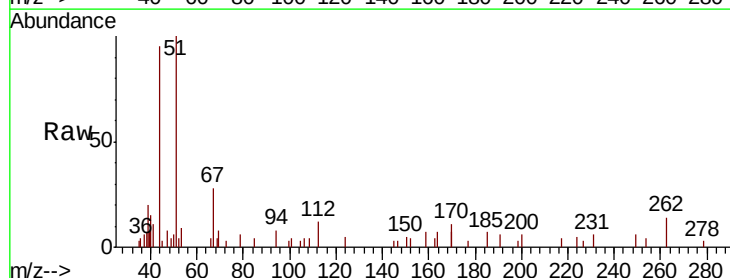
Instrument :
 MSVOA_L
 ClientSampleId :

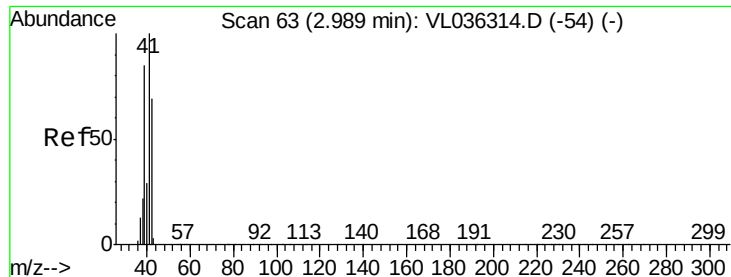
Tot Ion: 49 Resp: 1796791
 Ion Ratio Lower Upper
 49 100
 128 41.8 20.8 62.5
 130 53.7 26.7 80.1



#3
 Chlorodifluoromethane
 Concen: 0.045 ppbv
 RT: 3.00 min Scan# 67
 Delta R.T. 0.03 min
 Lab File: VL036411.D
 Acq: 1 Mar 2021 12:49

Tgt Ion: 51 Resp: 9946
 Ion Ratio Lower Upper
 51 100
 67 13.3 14.7 22.1#





#9

Propene

Concen: 0.053 ppbv

RT: 3.37 min Scan# 181

Delta R.T. 0.38 min

Lab File: VL036411.D

Acq: 1 Mar 2021 12:49

Instrument :

MSVOA_L

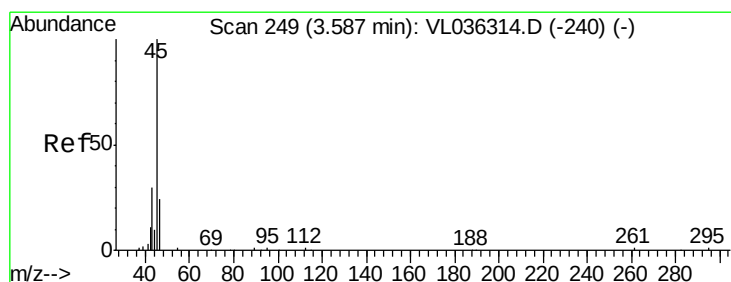
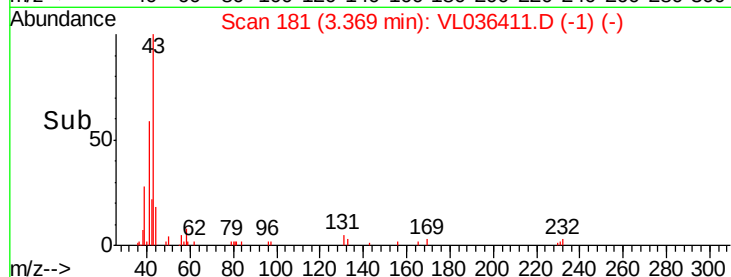
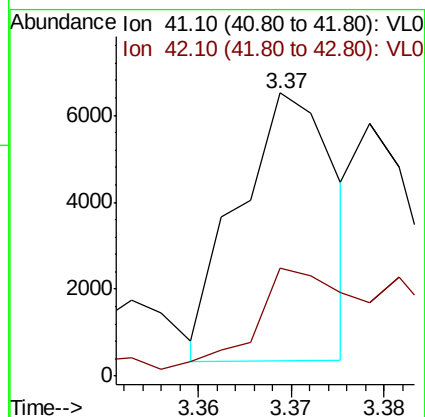
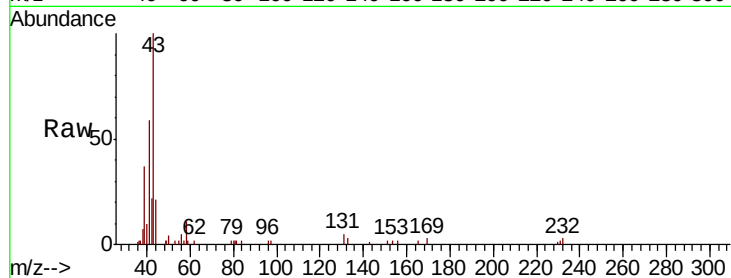
ClientSampleId :

Tot Ion: 41 Resp: 4435

Ion Ratio Lower Upper

41 100

42 82.1 56.2 84.2



#13

Ethanol

Concen: 1.447 ppbv

RT: 3.63 min Scan# 262

Delta R.T. 0.04 min

Lab File: VL036411.D

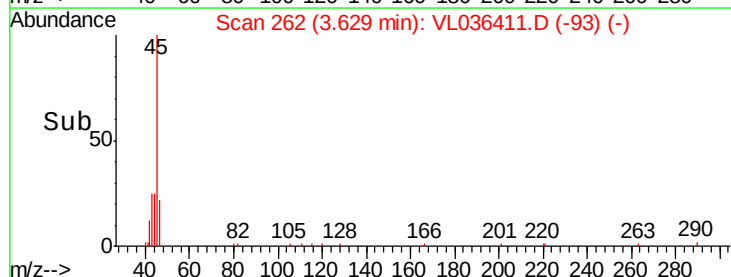
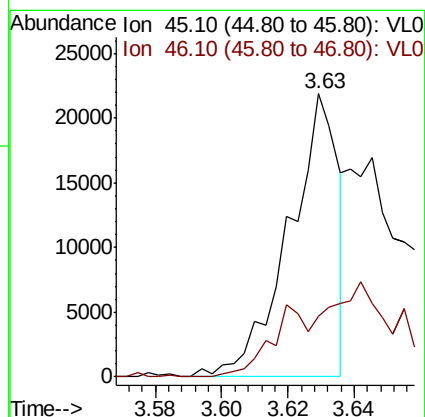
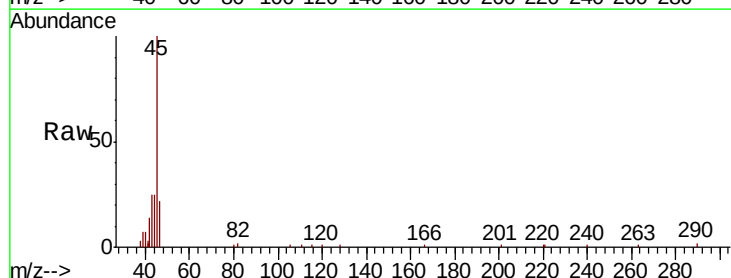
Acq: 1 Mar 2021 12:49

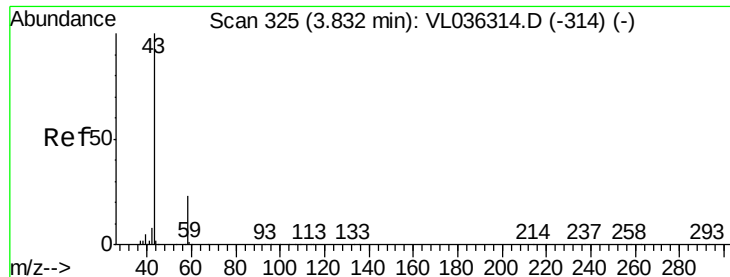
Tgt Ion: 45 Resp: 22620

Ion Ratio Lower Upper

45 100

46 0.0 17.7 70.7#





#15

Acetone

Concen: 0.253 ppbv

RT: 3.87 min Scan# 338

Delta R.T. 0.04 min

Lab File: VL036411.D

Acq: 1 Mar 2021 12:49

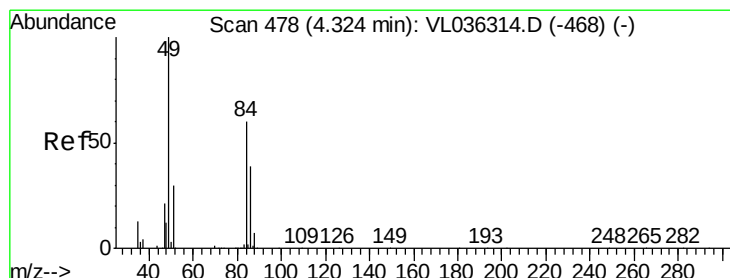
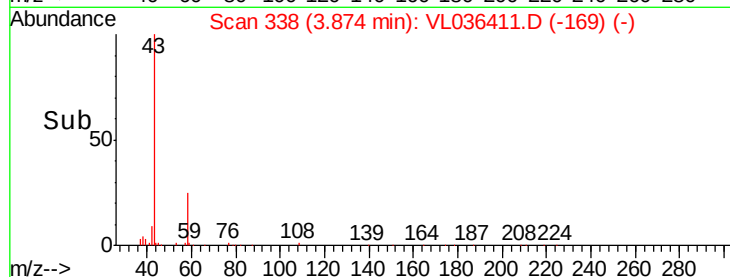
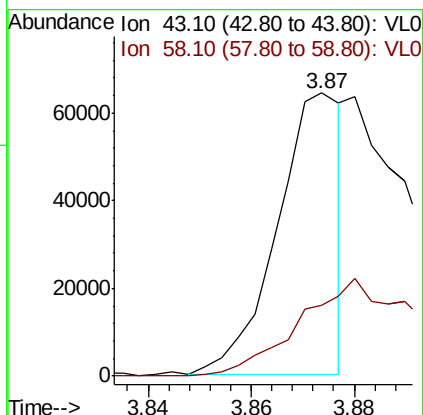
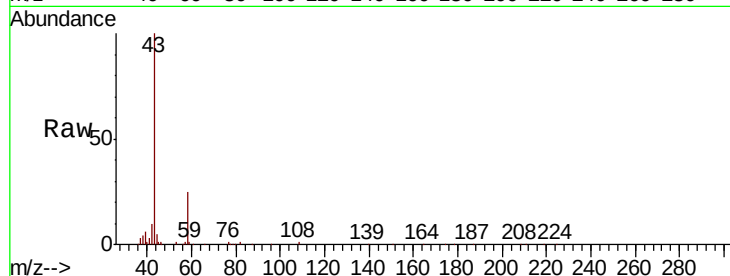
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 55541

Ion Ratio Lower Upper

43 100

58 0.0 20.3 30.5#



#20

Methylene Chloride

Concen: 8.457 ppbv

RT: 4.37 min Scan# 491

Delta R.T. 0.04 min

Lab File: VL036411.D

Acq: 1 Mar 2021 12:49

Tgt Ion: 84 Resp: 599260

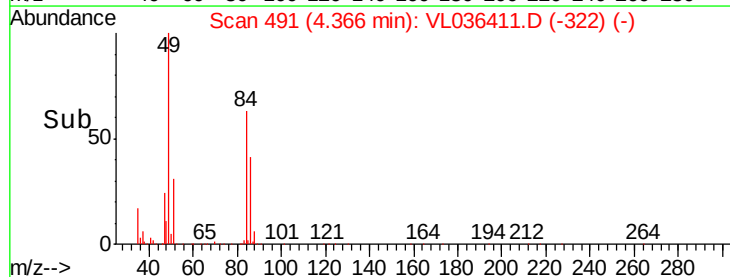
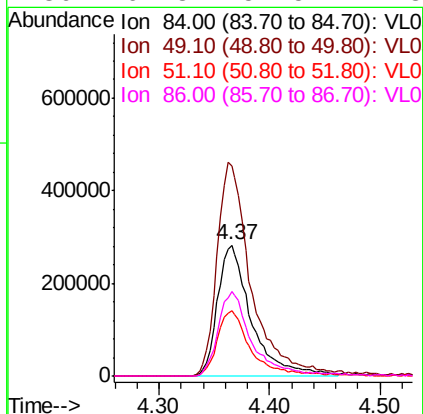
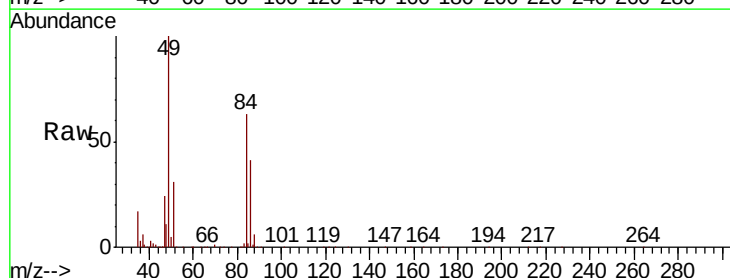
Ion Ratio Lower Upper

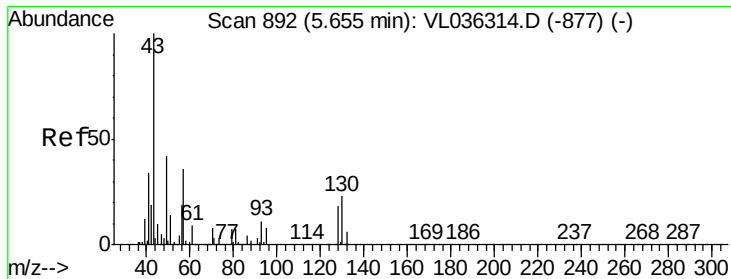
84 100

49 159.6 133.8 200.8

51 49.9 41.4 62.0

86 64.8 51.5 77.3

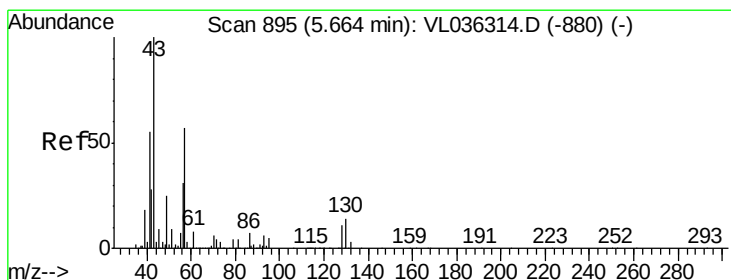
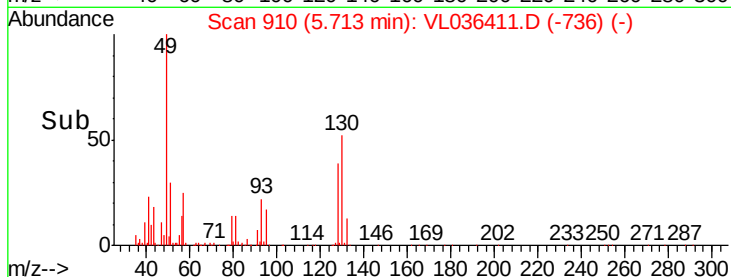
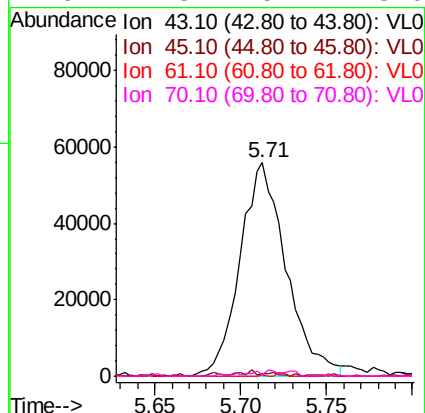
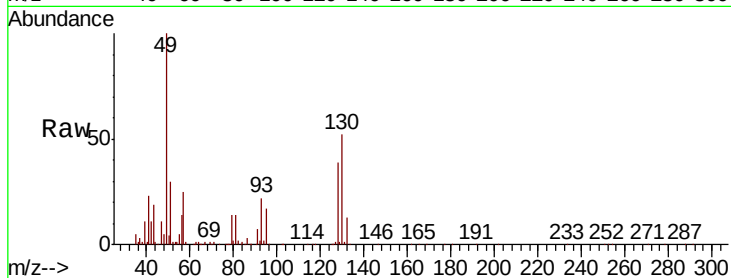




#25
Ethyl Acetate
Concen: 0.247 ppbv
RT: 5.71 min Scan# 910
Delta R.T. 0.06 min
Lab File: VL036411.D
Acq: 1 Mar 2021 12:49

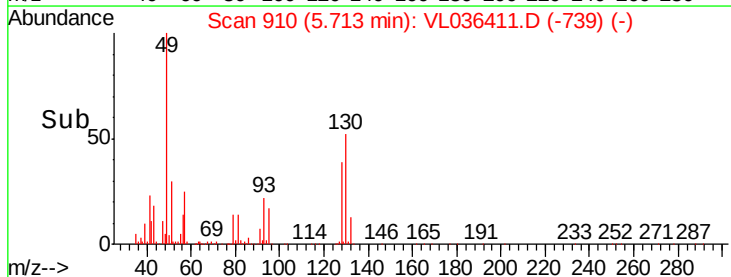
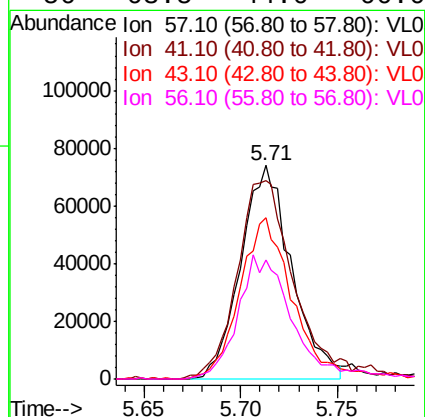
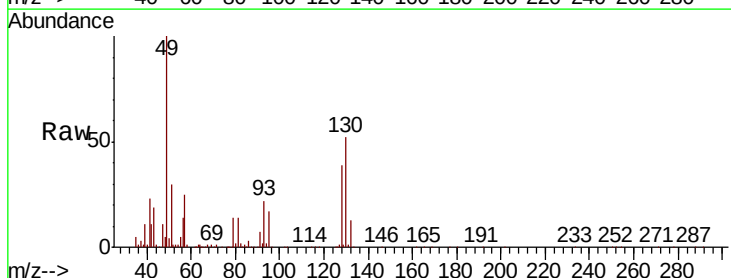
Instrument :
MSVOA_L
ClientSampled :

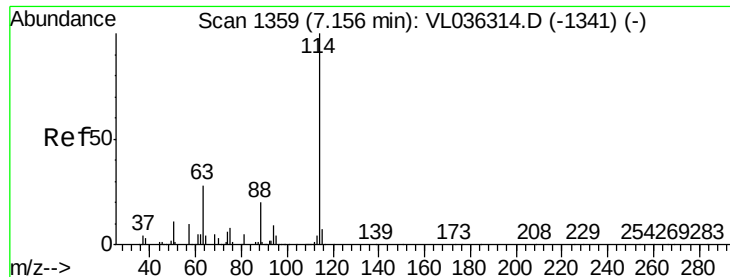
Tot Ion:	43	Resp:	104593
Ion	Ratio	Lower	Upper
43	100		
45	2.0	8.3	12.5#
61	0.5	7.3	10.9#
70	2.5	5.4	8.0#



#26
Hexane
Concen: 0.774 ppbv
RT: 5.71 min Scan# 910
Delta R.T. 0.05 min
Lab File: VL036411.D
Acq: 1 Mar 2021 12:49

Tgt Ion:	57	Resp:	134828
Ion	Ratio	Lower	Upper
57	100		
41	109.3	81.7	122.5
43	80.8	199.1	298.7#
56	63.5	44.0	66.0

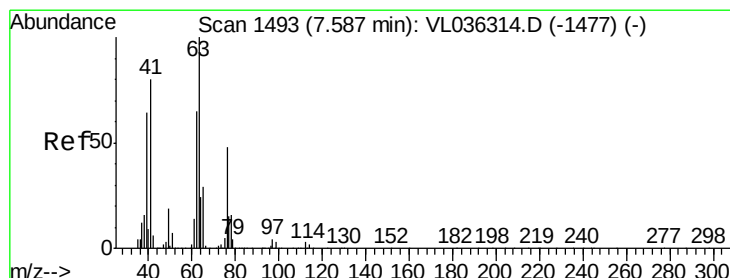
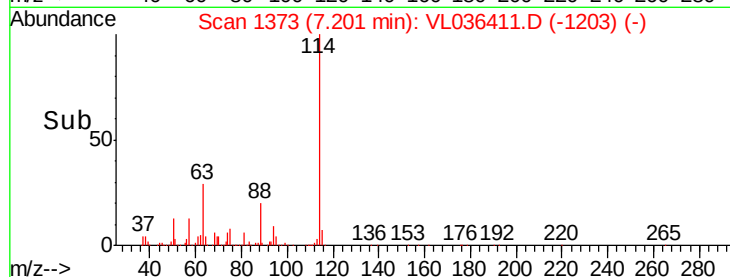
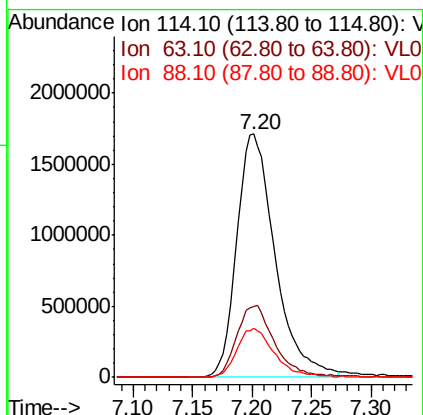
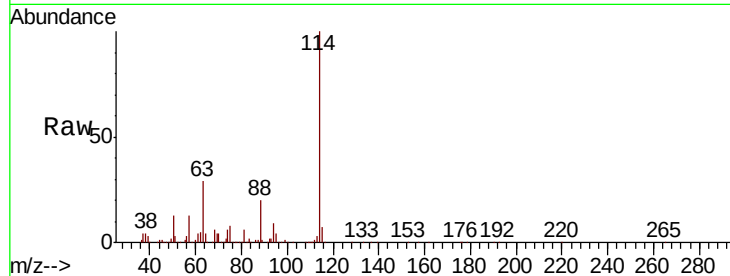




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1373
 Delta R.T. 0.05 min
 Lab File: VL036411.D
 Acq: 1 Mar 2021 12:49

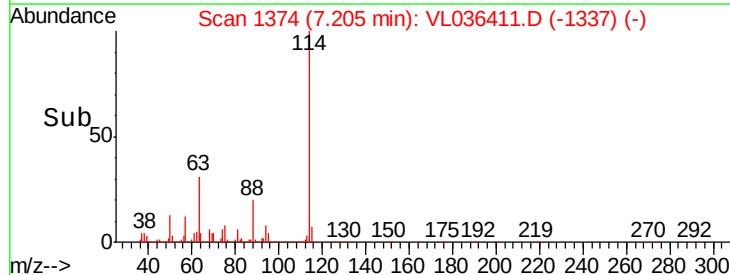
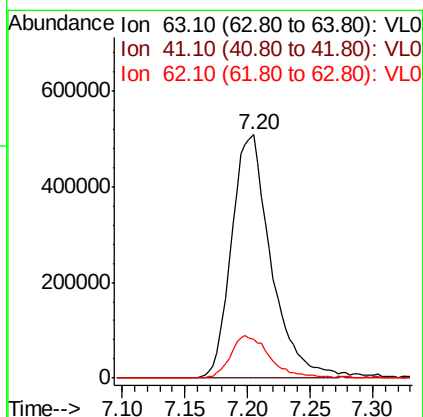
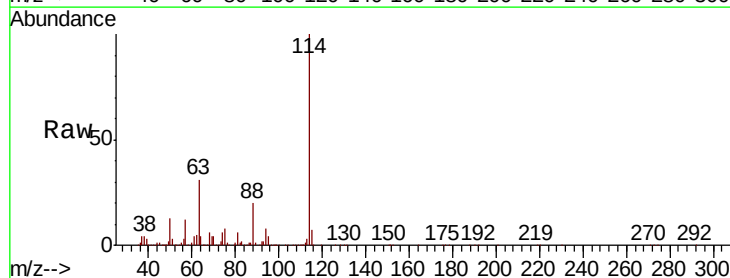
Instrument :
 MSVOA_L
 ClientSampleId :

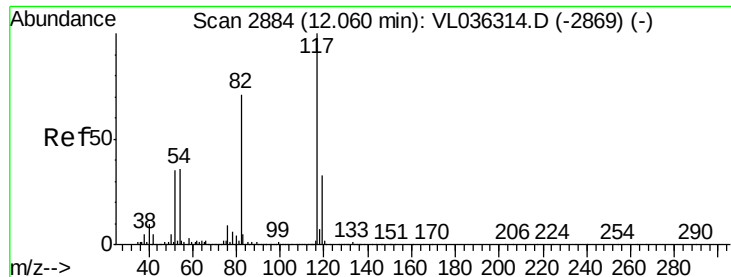
Tot Ion:114 Resp: 3827503
 Ion Ratio Lower Upper
 114 100
 63 29.8 24.1 36.1
 88 20.0 16.0 24.0



#39
 1,2-Dichloropropane
 Concen: 8.397 ppbv
 RT: 7.20 min Scan# 1374
 Delta R.T. -0.38 min
 Lab File: VL036411.D
 Acq: 1 Mar 2021 12:49

Tgt Ion: 63 Resp: 1109022
 Ion Ratio Lower Upper
 63 100
 41 0.1 63.8 95.6#
 62 15.7 52.3 78.5#

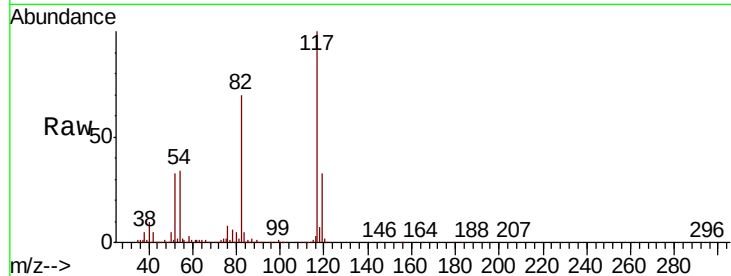




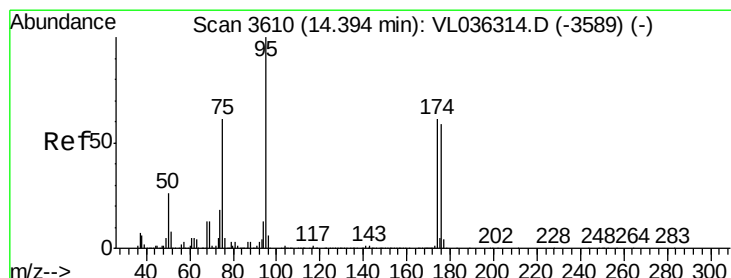
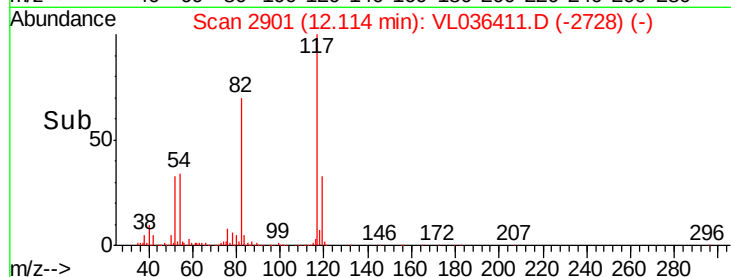
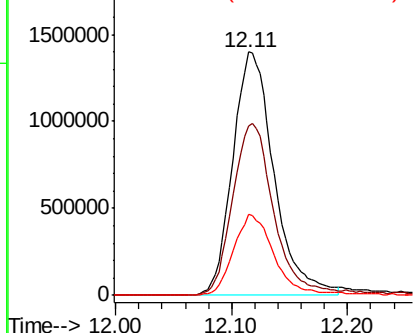
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. 0.05 min
Lab File: VL036411.D
Acq: 1 Mar 2021 12:49

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3451137
Ion Ratio Lower Upper
117 100
82 74.1 59.1 88.7
119 33.1 46.3 69.5#

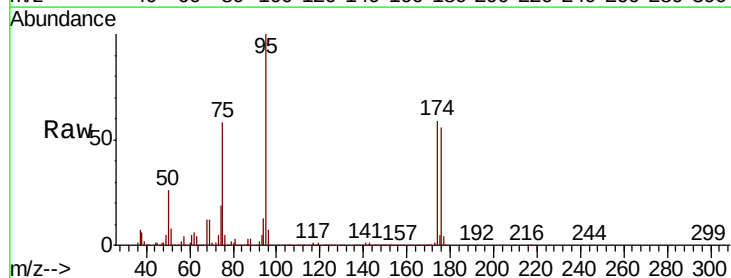


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.242 ppbv
RT: 14.45 min Scan# 3627
Delta R.T. 0.05 min
Lab File: VL036411.D
Acq: 1 Mar 2021 12:49

Tgt Ion: 95 Resp: 2624226
Ion Ratio Lower Upper
95 100
174 67.1 49.8 74.6
175 4.8 3.7 5.5



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

